

THE 2001 CAPE TOWN CONVENTION ON INTERNATIONAL INTERESTS IN MOBILE EQUIPMENT



- Formed in 1996 at the request of UNIDROIT
- Not-for-profit global industry group based in Switzerland
- All officers and members work for free
- Over 70 direct members and hundreds via industry associations
- Over 20 contact groups around the world
- Linking up various industry stakeholders
- Dedicated to the adoption of the Luxembourg Rail Protocol to the Cape Town Convention



The current funding models

- Public finance
 - ☐ Equity, state loans and grants, aid
- Public Export Finance
 - ☐ ECA, state or para-statal loans or guarantees
- Private investment
 - ☐ Equity and debt for private companies
 - □ Secured debt
 - □ Leasing
 - □ BOT/PPP



Identifying the trends in the rail sector

- Governments cannot afford the massive investment needed in the railways
- More passenger and freight traffic must be moved to the rails for good environmental and economic reasons
- Urban rail transport is a strategic necessity
- Rail sector gradually liberalised
 - = Public and Private operators
 - = Open access
 - = More competition and a more competitive industry
 - = More private finance
- Public and business demanding a higher quality of service



The Problems for private investors

- No common rules on debtor insolvency
- No national title or security registries
- Identifiers unstable (from a creditor's perspective) and inconsistent across the sector
- Limited legal infrastructure domestically and internationally
- Repossession issues for creditors on debtor default/ insolvency
- Public Policy and Public Interest
- Banks' capital requirements and Basel II and III
- Limited commercial tracking of location and status of assets
- Additional security issues and conflict of laws when financed assets cross borders



Cape Town Convention on International Interests in Mobile Equipment (2001)

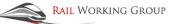
- New global system of international legal rights and priorities for secured creditors
- Common system for enforcing creditor rights upon debtor default or insolvency
- Public registry of security interests, accessible 24/7 online
- Already adopted by 79 States



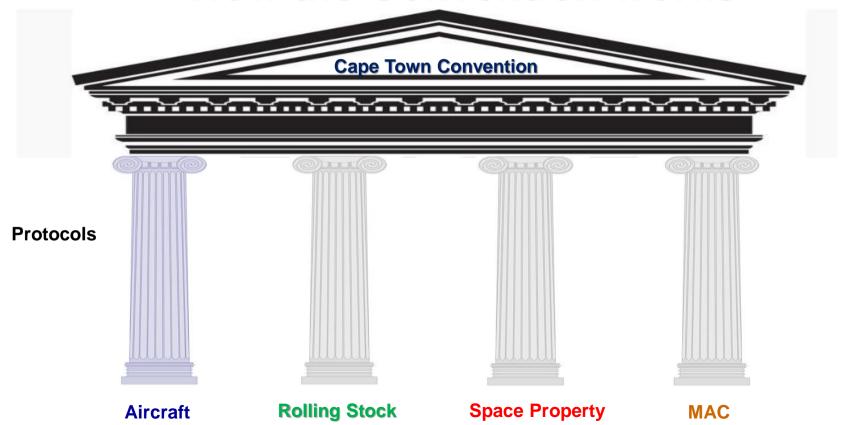


The Convention Creates

- A new type of global security interest (the "International Interest") for designated movable equipment
- Internationally recognised with established priorities
- Secures the:
 - □ Lessor under a lease
 - ☐ Creditor under a secured loan
 - □ Vendor's rights under a conditional sale (where title is retained)
- Applies based on seat or domicile of debtor/lessee



How the Convention works





Aircraft Protocol

- Adopted at the 2001 Cape Town diplomatic conference
- Applies the Convention to airframes, engines and helicopters subject to some de minimis rules
- Applies the Convention also when the Airframe is registered in a contracting state at the time the security interest is created
- Extends the Convention to aircraft sales
- Operating since 2006 now in force in 76 states plus 1 REIO (European Union)



Aircraft Protocol

- International registry based in Dublin, Ireland: registrar Aviareto, a special purpose company established by SITA,
- Supervisory Authority: ICAO in Montreal
- Under the Aircraft Sector understanding ECAs reduce their risk premiums by 10% as long as the Protocol is adopted with the recommended declarations
- Over 1 million registrations to date on aircraft with an estimated value of over \$ 650 Billion
- Aviation Working Group: the Aircraft Protocol will save the air transport industry \$161 bn 2009 - 2030



Luxembourg Rail Protocol

- Diplomatic Conference in Luxembourg in 2007:
- Attended by 42 states and 11 international organisations including 7 African States and SADC
- Sponsoring intergovernmental organisations UNIDROIT and OTIF – OTIF is the secretariat to the Supervisory Authority





Luxembourg Rail Protocol

- Applies the Cape Town Convention to rolling stock when debtor is located in a contracting state
- International registry in Luxembourg
- Registrar responsible to contracting states
- Will introduce global unique identification system for railway equipment





The Luxembourg Rail Protocol applies to ALL Rolling Stock

- Wherever manufactured, whatever gauge and operability standards
- Broadly defined: "..vehicles movable on a fixed railway track or directly on, above or below a guideway." This covers:
 - ☐ Inter-urban and urban rolling stock
 - ☐ Specialist boring and other rail mounted equipment
 - ☐ Metro trains and trams
 - Monorail trains and cable cars
 - ☐ People movers/shuttles at airports
 - ☐ Cranes and gantries at ports
 - ☐ Hyperloop pods



Unique Vehicle Identification

- Rolling stock must be uniquely identifiable to register interest
- Unique Vehicle Rail Identification System (URVIS) will be established by registry regulations
- First global unique and permanent identification system for rolling stock
- 16-digit number allocated by the Registrar in Luxembourg that will never be re-used
- Affixed permanently to each item of rolling stock by the manufacturer, maintainer or keeper



The Protocol's Status

- Adopted in 2007 (4 ratifications and active registry required to enter into force – expected during 2020)
- Appointment of Regulis SA (SITA subsidiary) as Registrar in Luxembourg in December 2014
- Ratified by Gabon, Luxembourg and Sweden (and the EU) and Kenya (hopefully) about to ratify
- Signed by Italy, Germany, France, Mozambique, Switzerland and UK - all moving towards ratification
- Also under review by many other governments.



- Removes a significant financial burden from the government
- Liberates public and private operators to obtain private sector finance for rolling stock when needed: no government budgetary constraints nor tied funding
- Opens up non-recourse private financing of existing fleets
- Important part of a PPP strategy
- Key driver for a modal shift from road to rail



- By introducing a common system of rules in contracting states, it protects operators and financiers where rolling stock operates across jurisdictional borders
- Encourages foreign investment in the railways
- Lowers the barriers to entry for new industry participants
- Makes railways more commercial and competitive
- Underwrites operating leases a key win for the rail sector
- Supports new technology



Some state of the art examples:

Regenerative braking

Supercapacitor trams

Low-noise rolling stock

Automated train operation

High-speed trains

Automatic coupling systems

Artificial intelligence and platooning

Real-time rolling stock location and diagnostic systems

Variable-gauge rolling stock

Positive train control/ERTMS & other in cab signal systems

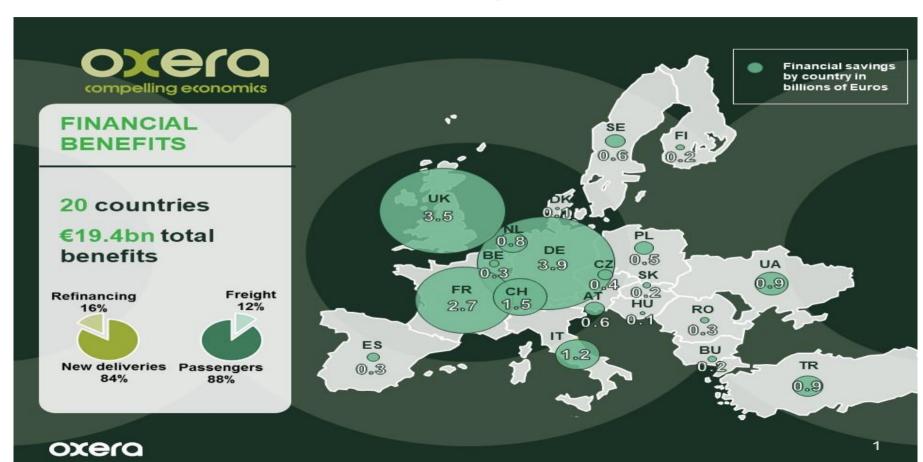
Hybrid, clean diesel & hydrogen/fuel cell locomotives



- Cheaper finance reduces bank capital costs/margin and debt financing costs as risks decrease
- Lower Export Credit Agency (ECA) premiums (min. -10%)
- Eliminates complex documentation and structures
- Recent Oxera studies on direct micro-economic savings of the Rail Protocol:
 - > € 19.4 bn for 20 European states
 - > € 13.9 bn for 9 "1520" states
 - > € 1.3 bn for South Africa
- Lowers the barriers to entry for new industry participants
- Macro economic benefits come on top



Europe





- URVIS
 - ☐ One system applicable worldwide on all rail assets
 - ☐ Real-time tracking of condition and location of assets domestically and in other jurisdictions (and tracks)
 - ☐ Facilitates more efficient asset management
 - ☐ Underwrites customised predictive maintenance
 - ☐ Makes lifetime asset management and costs much easier for operators, manufacturers and financiers



- URVIS
 - Important for immatriculation admission to rail system
 - □ Will support regional regulatory co-operation and interoperability systems
 - □ Defence against fraud on purchasers and creditors of rolling stock
 - ☐ Key element of Al/autonomous operation



URVIS Open Issues

- Industry to decide
- URVIS number must be "affixed to the item of railway rolling stock" (LRP, Article XIV)
 - Who affixes?
 - How is it affixed?
 - □ Is it permanent and how permanent?
- Type, size, location and cost of identifier
- Readability?
- Legal liabilities



URVIS Open Issues

- Transparency: accessibility to operations, status and location data for rolling stock for
 - Operator
 - ☐ Creditor(s)
 - ☐ Regulator(s)
 - Manufacturers
 - □ Police and security services?
 - ☐ Press?
 - Public/competitors?
- Removing access



URVIS Open Issues

- Does it matter? Yes!
- We need protocols answering these questions
 - a) Simple
 - b) compatible with best industry practice
 - c) At minimal cost
 - d) With maximum flexibility to modify as industry practice changes
- We need advice from experts (Luxembourg Proposal)

